



U.S. OIL CO., INC.

PH: 414-739-6100

MATERIAL SAFETY DATA SHEET

MAIN OFFICE
P.O. BOX 25
COMBINED LOCKS,
WI 54113

EMERGENCY TELEPHONE
COMPANY: 414-739-6100

CHEMTREC: 800-424-9300

I. PRODUCT IDENTIFICATION

PRODUCT: Gasoline
TRADE NAME & SYNONYMS: Regular Leaded, Regular NoLead, Super NoLead, Premium Leaded, Racing Gas
CHEMICAL FAMILY: Petroleum Hydrocarbon
FORMULA: C3 - C12
CHEMICAL NAME: Gasoline, Petrol
CAS NUMBER: 8006-61-9

II. HAZARDOUS COMPONENTS

INGREDIENT	%	OSHA LIMIT	TLV
Gasoline	100	N/A	TWA - 300 ppm STEL - 500 ppm
Benzene	up to 2	TWA - 10 ppm Ceiling - 25 ppm	TWA - 10 ppm STEL - 25 ppm
Toluene	up to 3	TWA - 200 ppm Ceiling - 300 ppm	TWA - 100 ppm STEL - 150 ppm
Xylene	up to 5	TWA - 100 ppm	TWA - 100 ppm STEL - 150 ppm
Tetraethyl Lead (Regular Leaded Only)	50.1	TWA - 0.075 mg/M3 Skin Notation	TWA - 0.1 mg/M3 STEL - 0.3 mg/M3 Skin Notation

III. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 70-430°F
VAPOR PRESSURE: 325-525 mmHg @ 68°F
EVAPORATION: Estimated 1.5
ODOR & THRESHOLD: Gasoline 10ppm
VAPOR DENSITY: 3-4 (Air = 1)
SPECIFIC GRAVITY: 0.70-0.73
PERCENT VOLATILE BY VOLUME: 100%
MOLECULAR WEIGHT: Approx. 100
APPEARANCE: Clear, Straw colored
Bronze, or Pinkish in color
VISCOSITY: Not applicable
SOLUBILITY: Negligible

IV. FIRE PROTECTION INFORMATION

FLASH POINT AND METHOD: Estimated -45°F (Closed Cup ASTM D-56)
AUTOIGNITION TEMPERATURE: 536°F or higher

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, or foam. Water stream may spread fire; use water spray only to cool containers exposed to fire. If leak or spill has not ignited, use water spray to disperse the vapors.

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion can yield carbon monoxide, carbon dioxide, lead oxide and various hydrocarbons.

IV. FIRE PROTECTION INFORMATION (cont.)

FIRE AND EXPLOSION HAZARDS: Can form flammable mixtures with air and flash at room temperatures. Explosion hazard in fire situation. Vapor is heavier than air and may travel considerable distance to a source of ignition and flash back.

HAZARDOUS POLYMERIZATION: Will not occur **STABILITY:** Stable
CONDITIONS TO AVOID: Heat, sparks, flame, and static electricity.

V. HEALTH INFORMATION

INHALATION: Possible effects include headache, nasal and respiratory irritation, drowsiness, fatigue, pneumonitis, pulmonary edema, central nervous system depression and kidney damage. Long term exposure to rats has resulted in kidney cancer.

EYE CONTACT: Mild eye irritation may result from contact with liquid, mist, and/or vapors.

SKIN CONTACT: Skin irritation, dermatitis or more serious disorders may occur upon prolonged and repeated contact due to skin defatting. Liquid can penetrate skin to cause central nervous system depression. Vapor penetration can also cause systemic effects. Regular leaded gasoline contains lead. Lead can be a cumulative poison.

INGESTION: Possible effects include headache, nasal and respiratory irritation, nausea, drowsiness, asphyxia, fatigue, pneumonitis, pulmonary edema, central nervous system depression and kidney damage. Aspiration into lungs will cause chemical pneumonia.

VI. FIRST AID PROCEDURES

INHALATION: Immediately move personnel to area of fresh air. For respiratory distress, give air, oxygen, or administer CPR (cardiopulmonary resuscitation). If necessary, obtain medical attention if breathing difficulties continue.

EYE CONTACT: Immediately flush eyes with clean, low-pressure water for at least 15 minutes, occasionally lifting lower and upper lids. If irritation persists, obtain medical attention.

SKIN CONTACT: If clothing is soaked, immediately remove clothing and wash affected skin with soap and water. If irritation persists, seek medical attention. Launder clothing before reuse, but discard contaminated leather shoes/gloves.

INGESTION: Do NOT induce vomiting, since aspiration into the lungs will cause chemical pneumonia. Promptly obtain medical attention.

GENERAL: Personnel with pre-existing skin disorders, impaired liver or kidney function, or central nervous system and chronic respiratory diseases should avoid exposure to this material.

VII. EMPLOYEE PROTECTION

VENTILATION: Maintain local or dilution ventilation to keep air concentration below 300 ppm. When loading, unloading, tank gauging, etc. remain upwind.

RESPIRATORY PROTECTION: None needed under normal conditions with adequate ventilation. Use NIOSH/MSHA approved respirator when vapor levels exceed exposure limits. Up to 1000 ppm, half-mask organic vapor respirator. Up to 5000 ppm, full-face organic vapor respirator or full-faced supplied air respirator. Greater than 5000 ppm, fire fighting, or unknown concentration, self-contained breathing apparatus with positive pressure.

PROTECTIVE CLOTHING - EYES: Chemical goggles with side shields, face shield.

PROTECTIVE CLOTHING - SKIN: Avoid prolonged and/or repeated skin contact. If conditions or frequency of use make contact significant, gloves, apron, boots and facial protection made of nitrile, neoprene or other material resistant to gasoline should be worn.

OTHER PROTECTIVE EQUIPMENT: Use electrical grounding on handling/transportation equipment.

VIII. TRANSPORTATION, HANDLING, AND STORAGE INFORMATION

DOT HAZARDOUS MATERIAL: Yes

DOT SHIPPING NAME AND NUMBER: Gasoline, UN 1203

DOT HAZARD CLASS: Flammable liquid

HANDLING PRECAUTIONS: Keep away from heat, sparks, and open flame! Ground all drums and transfer vessels when handling. Empty containers retain some liquid/vapor residues; hazard precautions must be observed when handling empties. Refer to 49 CFR 173.118 and 173.119(a) for packaging references.

STORAGE PRECAUTIONS: Keep containers closed and do not store in a closed vehicle. Containers should be able to withstand pressures expected from warming or cooling in storage. Do not store with strong acids or strong oxidizers. Store as an OSHA Class IB flammable liquid.

IX. ENVIRONMENTAL PROTECTION

SPIILLS, LEAKS OR RELEASE: Notify emergency response personnel. Evacuate area and remove ignition sources. Build a dike to contain flow. Remove free liquid, do not flush into sewer or open water. Blanket with foam or use water fog to disperse vapors. Pick up with pads and absorbant material. Gasoline will float on water and resulting runoff may create an explosion or fire hazard. Comply with all applicable laws. Spills may need to be reported to the National Response Center (800/424-8802).

WASTE DISPOSAL METHOD: Dispose of product, contaminated material, and storage tank water bottoms as an EPA "Ignitable Hazardous Waste" (D001) unless proven otherwise. RCRA Classification for unadulterated product as a waste - Ignitable, EP toxic. Use approved treatment, transporters, and disposal sites in compliance with all laws. If spill is introduced into a wastewater system, the chemical and biological oxygen demand will likely increase. Spill material is biodegradable if gradually exposed to microorganisms. A potential disposal method is incineration.

INFORMATION SUPPLIED BY: Wholesale Petroleum - Terminal Sales
Revision Date: 05/01/86

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